

ABSTRACT OF DISCLOSURE:

1 A method and apparatus for communications resource  
2 allocation in a wireless communications system having a  
3 total system bandwidth. A service area is divided into  
4 a plurality sectors. A first set of base station  
5 antennas are positioned within a first set of sectors.  
6 The first set of antennas have main beams set at a first  
7 set of angles, and each antenna corresponds to a sector  
8 within the first set of sectors. A second set of base  
9 station antennas are positioned within a second set of  
10 sectors adjacent to the first set of sectors. The  
11 second set of antennas have main beams set at a second  
12 set of angles, and each antenna corresponds to a sector  
13 within the second set of sectors. Each sector is  
14 assigned a portion of the total system bandwidth.

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